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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/483,315	01/14/2000	Ann Devereaux	9373-1F888US1	8215

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EXAMINER

VU, THONG H

ART UNIT	PAPER NUMBER
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2142

DATE MAILED: 10/23/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

AG

Office Action Summary

Application No.

09/483,315

Applicant(s)

DEVEREAUX ET AL.

Examiner

Thong H Vu

Art Unit

2142

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 January 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-75 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-75 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4.
- 4) ☐ Interview Summary (PTO-413) Paper No(s): _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

Art Unit: 2142

1. This office action is in response to Application filed 01/14/2000. Claims 1-75 are pending. The rejection is cited as stated below.

2. Claims 23,39,61 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. (i.e.: Claim 39, the data interface unit is not disclosed in specification).

Claim 1 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention (i.e.: A network including a wireless communication device (i.e.: mobile node, portable access unit) connects to a general node (i.e.: base station) which route the data to a media device (i.e.: server) through the network.

3. Claims 1-75 are rejected under 35 U.S.C. § 103 as being obvious over Newman et al [Newman 5,844,824] in view of Katz et al [Katz 5,926,624].

4. As per claims 39,1,23 and 61, Newman discloses a wireless communications interface system, [Fig 1] comprising:

a portable data interface unit secured to a user and having a display a transceiver (i.e.: modem, codec, or encoder/decoder), said encoder configured to receive a user command and format the command for transmission by said transceiver over a wireless connection [Fig 2-3, col 15 line 10-col 16 line 50];

a network [LAN/WAN col 10 lines 23-27];

Art Unit: 2142

However Newman did not details

a routing node having a transceiver configured to receive the command transmitted by said transceiver of said data interface unit through said wireless connection, wherein said routing node establishes a connection to said network; and

a media device coupled to said network, wherein said routing node transmits the command to said media device over said network using said routing node transceiver, said media device executes the command to generate a result, said routing node directs the result from said network device, over said network, to said decoder of said data interface unit through said routing node over said wireless connection using said routing node transceiver, and said decoder is configured to format the result for presentation to the user with said data interface unit display.

Katz discloses a wireless network with a mobile device connectable to a client computer (i.e.: routing unit) , a server (i.e.: media device), encryption protocol [Katz abstract, Fig 1-10, col 2 lines 10-30, col 3 line 14-col 4 line 14, 43-67, col 5 lines 1-37] Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to incorporate the client/server network with encryption protocol into the Newman's apparatus in order to improve the communication on the network. Doing so would provide more security on the wireless network.

An Official Notice is taken that a wireless two way communication network including a gateway (or intermediate node) with a transceiver is well-known in the art [see Monte reference]

Thus, the system and method of claims 1,23,39 and 61 is obvious in view of the combination of references.

5. As per claims 40,41,67,68 Newman-Katz disclose said decoder decompresses or demultiplexes the result as inherent feature of modem.

6. As per claim 42,43 Newman-Katz disclose said encoder formats the command by compressing the command or said encoder formats the command by multiplexing the command.

7. As per claims 44-46, 70-72 Newman-Katz disclose said network comprises a Local Area Network (LAN) or a Remote Local Area Network (RLAN) or a Wide Area Network (WAN).

8. As per claim 47,9,12 Newman-Katz disclose a sensor associated with the user and configured for communication with said routing node such as infrared device [Newman col 16 lines 37-43][Katz col 5 lines 1-7].

9. As per claims 48,49,10,11,13,14,74 Newman-Katz disclose said sensor comprises a biological sensor or an environmental sensor as inherent feature of sensor.

10. As per claim 50, Newman-Katz disclose one or more additional portable data interface units, each of said additional data interface units being associated with said routing node through respective transceivers over said wireless connection as inherent feature of wireless network.

11. As per claim 51, Newman-Katz disclose said one of the data interface units displays a list of the other said data interface units associated with said routing node as inherent feature of wireless network.

Art Unit: 2142

12. As per claims 6,52, Newman-Katz disclose said media device comprises a processor [Newman Fig 2].

13. As per claim 53, Newman-Katz disclose said media device comprises a separate computer running client software as inherent feature of wireless network.

14. As per claim 54, Newman-Katz disclose said network device comprises a separate computer running a multimedia Internet software program [Katz col 4 lines 42-67]

15. As per claim 55, Newman-Katz disclose said media device comprises a camera for providing video signals over said network, through said routing node, for display on said portable data interface unit as inherent feature of wireless network.

16. As per claim 56, Newman-Katz disclose said media device comprises an Internet phone as inherent feature of wireless network.

17. As per claim 57, Newman-Katz disclose said media device comprises a display for receiving video signals transmitted from said portable data interface unit, through said routing node, and over said network to said display for presentation on said display as inherent feature of wireless network.

18. As per claim 58, Newman-Katz disclose said media device comprises a speaker for receiving audio signals transmitted from said portable data interface unit, through said routing node, over said network, and to said speaker for presenting sound based on the audio signals as inherent feature of wireless network.

19. As per claim 59, Newman-Katz disclose said portable data interface unit further comprising a speaker, wherein said media device comprises a microphone for

Art Unit: 2142

transmitting audio signals over said network, through said routing node, and to said speaker of said portable data interface unit for presenting sound based on the audio signals as inherent feature of wireless network.

20. As per claim 60, Newman-Katz disclose one or more additional media devices, wherein a media device is selected by a user, and the command is transmitted from said portable access unit and through said routing node which routes the command over said network to said selected media device as inherent feature of wireless network.

21. As per claim 2, Newman-Katz disclose the media device comprises a camera for providing video signals for display on the portable access unit as inherent feature of wireless network.

22. As per claim 3, Newman-Katz disclose the media device comprises a display for receiving video signals transmitted from the portable access unit for presenting on the display as inherent feature of wireless network.

23. As per claim 4, Newman-Katz disclose the media device comprises a speaker for receiving audio signals transmitted from the portable access unit for presenting on the speaker as inherent feature of wireless network.

24. As per claim 5, Newman-Katz disclose the media device is a microphone for transmitting audio signals to the portable access unit for presenting on a speaker attached to the portable access unit as inherent feature of wireless network.

25. As per claim 7, Newman-Katz disclose the portable access unit is for providing commands for controlling the processor, wherein the media device is configured to

Art Unit: 2142

execute the commands separate from the portable access unit as inherent feature of wireless network.

26. As per claim 8, Newman-Katz disclose the processor is for providing command for controlling remotely controllable hardware as inherent feature of wireless network

27. As per claims 15,16 Newman-Katz disclose the media device is wirelessly or electrically connected to the network as a design choice.

28. As per claim 17, Newman-Katz disclose a plurality of portable access units capable of wirelessly communication with the general purpose node for communicating with the one or more devices through network as inherent feature of wireless network

29. As per claim 18, Newman-Katz disclose plurality of general purpose node for communication with the subset of the plurality of portable access units as inherent feature of wireless network.

30. As per claim 19, Newman-Katz disclose each portable access unit is for dynamically associating and de-associating with one of the plurality of general purpose nodes as inherent feature of wireless network.

31. As per claims 20-21 Newman-Katz disclose each portable access unit is adapted for listing on a display the plurality of portable access units or media devices that are associated with the plurality of general purpose nodes as inherent feature of wireless network

32. As per claim 22, Newman-Katz disclose each portable access unit is adapted for present on a display the biological data for a user of at least one of the other plurality of

Art Unit: 2142

portable access units after selecting the at least one other portable access units displayed in the list as inherent feature of wireless network.

33. As per claim 62,63 formatting the command with said encoder further comprises compressing the command or formatting the instruction with said encoder further comprises multiplexing the command as inherent feature of modem.

34. As per claim 64 Newman-Katz disclose routing the result from said network device to said routing node over said network .

35. As per claim 65 Newman-Katz disclose routing the result to said decoder of said data interface unit over said wireless connection through respective transceivers.

36. As per claim 66 Newman-Katz disclose formatting the result with said decoder for presentation to the user with said display.

37. As per claim 69 Newman-Katz disclose displaying the formatted result on said display to the user.

38. As per claim 73 Newman-Katz disclose transmitting sensor data to said routing node as inherent feature of wireless network.

39. As per claim 24, Newman-Katz disclose receiving video signals from the media device for providing video signals for display on the portable access unit as inherent feature of wireless network.

40. As per claims 15,16,25,26 Newman-Katz disclose transmitting video and audio signals from the portable access unit to the media device for presenting the video and audio signals on the media device as inherent feature of wireless network.

Art Unit: 2142

41. As per claim 27 Newman-Katz disclose receiving audio signals captured by the remote media device from the remote media device for presenting on the portable access unit as inherent feature of wireless network.

42. As per claim 28 Newman-Katz disclose transmitting commands from the portable access unit to the media device for controlling the media device as inherent feature of wireless network.

43. As per claim 29 Newman-Katz disclose receiving data captured by a sensor on the media device as inherent feature of wireless network.

44. As per claim 30 Newman-Katz disclose dynamically associating and de-associating the portable access unit with the general purpose nodes as inherent feature of wireless network.

45. As per claim 31 Newman-Katz disclose presenting a list of a plurality of portable access units on a display that are associated with the general purpose node as inherent feature of wireless network.

46. As per claim 32 Newman-Katz disclose listing on the display a plurality of media devices associated with the general purpose node as inherent feature of wireless network.

47. As per claim 33 Newman-Katz disclose presenting biological data for a user of one of a plurality of portable access units after selecting the user's name from a list of users of the plurality of portable access units as inherent feature of wireless network.

48. As per claim 34,35 Newman-Katz disclose the portable access unit is configured to transmit, display data as inherent feature of wireless network.

Art Unit: 2142

49. As per claim 36 Newman-Katz disclose the general purpose node is configured to route data between the portable access unit and the at least one media device as inherent feature of wireless network.

50. As per claim 37 Newman-Katz disclose the general purpose node is configured to route data separate from the portable access unit as inherent feature of wireless network.

51. As per claim 38 Newman-Katz disclose the media device functions separate from the portable access unit as inherent feature of wireless network.

Thus, the system and method of claims 1-75 is obvious in view of the prior art.

52. Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Thong Vu, whose telephone number is (703)-305-4643.

The examiner can normally be reached on Monday-Thursday from 8:00AM- 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, *Mark Rinehart*, can be reached at (703) 305-4815.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-9700.

Any response to this action should be mailed to: Commissioner of Patent and Trademarks, Washington, D.C. 20231 or faxed to :

After Final (703) 746-7238

Official: (703) 746-7239

Non-Official (703) 746-7240

Hand-delivered responses should be brought to Crystal Park 11,2121 Crystal Drive, Arlington. VA., Sixth Floor (Receptionist).

Thong Vu

Patent Examiner

Art Unit 2142



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